

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-026531**Date Inspected:** 15-Oct-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** Bernie Docena**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** SAS OBG**Summary of Items Observed:**

Caltrans Office of Structural Material (OSM) Quality Assurance Inspector (QAI) Joselito Lizardo was present at the Self Anchored Suspension (SAS) job site as requested to perform observations on the welding of components for the San Francisco Oakland Bay Bridge (SFOBB) Project.

At the request of Quality Control Field Supervisor, Bonifacio Daquinag, QA has randomly verified the QC VT/MT of the Complete Joint Penetration (CJP) welding of four (4) lifting lug hole infill plate to top deck plate butt joints and 5/16" fillet weld between the Cross Beam #19 top plate and lifting eye and its four (4) stiffeners. The QA verification was performed to verify that the welding and the VT/MT inspection performed by the QC inspector meet the requirements of the contract documents. At the conclusion of the QA verification it appeared that the weld and the QC inspection complied with the contract documents.

1. OBG 10W-PP88-W4-#1 lifting lug hole inside - QA VT/MT verified
2. OBG 10W-PP88-W4-#2 lifting lug hole inside - QA VT/MT verified
3. OBG 11E-PP104-WE3-#3 lifting lug hole inside - QA VT/MT verified
4. OBG 11E-PP104-WE3-#4 lifting lug hole inside - QA VT/MT verified
5. Cross Beam #19 lifting eye and 4 stiffener plates at Pier 7 - QA VT/MT verified

In the afternoon, the QC Supervisor Bonifacio Daquinag made another request for QA to perform verification on the fillet welded lifting eye and its four (4) stiffeners to the top of Cross Beam #19 located at Pier 7 Oakland, CA. At the Pier 7, ABF QC Bernie Docena was noted present to perform the Visual Test (VT) and Magnetic Particle Testing (MT) on the fillet mentioned above after the 24 hours cooling period. This QA observed QC Bernie

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Docena perform the VT and MT on the 5/16" fillet weld that was welded yesterday with positive result. This QA performed the VT/MT verification and noted same result.

Summary of Conversations:

No significant conversation occurred today.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact SMR Nina Choy 510-385-5910, who represents the Office of Structural Materials for your project.

Inspected By:	Lizardo, Joselito	Quality Assurance Inspector
Reviewed By:	Levell, Bill	QA Reviewer
